



SECTION I

NM 40/04

Chart 12327

NM 40/04

NEW YORK HARBOR - LOWER BAY - CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2003 AND SURVEYS TO JUN 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
AMBROSE CHANNEL	39.9	45.9	45.8	41.7	4-03	2000	9.2	45
SANDY HOOK CHANNEL (EAST)	38.0	40.8	38.7	31.1	9-03	A800-2200	3.5	A35
SANDY HOOK CHANNEL	22.3	38.7	36.9	33.9	9-03	800	2.4	35
CHAPEL HILL:								
SOUTH CHANNEL	28.5	29.5	30.1	27.7	10-02	1000	2.7	30
NORTH CHANNEL	28.7	29.1	29.0	27.9	10-02	1000	1.8	30
TERMINAL CHANNEL	44.2	45.7	46.0	44.0	2-97	400	0.8	35
KEYPORT HARBOR CHANNEL	5.1	6.5	6.0	5.2	8-03	100-200	0.9	8
RARITAN BAY EAST REACH	34.9	37.8	37.0	33.6	12-02; 1-03	600	4.0	35
RARITAN BAY WEST REACH	32.9	38.5	39.1	31.0	12-02; 1-03	600	2.4	35
SEGUINE POINT BEND	28.5	35.1	38.4	29.7	9-01	600-800	1.2	35
RED BANK REACH	34.0	40.3	40.5	34.2	9-01	600	1.2	35
WARD POINT BEND (EAST)	31.5	38.7	36.9	27.6	9,12-01	600-800	1.1	35
WARD POINT BEND (WEST)	35.0	35.0	35.0	33.8	9,12-01	600-800	0.8	35
RARITAN RIVER CUT OFF	16.7	19.3	19.3	11.6	3-99	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	20.1	20.5	20.0	19.8	6-04	400	0.9	30
GREAT BEDS REACH	23.5	22.9	24.5	23.1	7-03	300	0.6	25
SOUTH AMBOY REACH	23.2	24.0	22.9	22.4	7-03	300	1.2	25
A. THE NAVAL FACILITIES ENGINEERING COMMAND MAINTAINS A 45 FOOT PROJECT FOR A WIDTH OF 600 FEET IN SANDY HOOK (EAST) TO THE TURNING BASIN.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 12331

NM 40/04

RARITAN BAY, ARTHUR KILL AND RARITAN RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2003 AND SURVEYS TO JUN 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
RARITAN BAY WEST REACH	32.9	38.5	39.1	31.0	12-02; 1-03	600	2.4	35
SEGUINE POINT BEND	28.5	35.1	38.4	29.7	9-01	600-800	1.2	35
RED BANK REACH	34.0	40.3	40.5	34.2	9-01	600	1.2	35
WARD POINT BEND (EAST)	31.5	38.7	36.9	27.6	9,12-01	600-800	1.1	35
WARD POINT BEND (WEST)	35.0	35.0	35.0	33.8	9,12-01	600-800	0.8	35
OUTERBRIDGE REACH	34.4	34.7	35.9	35.9	9-01; 3-02	600-800	0.8	35
PORT SOCONY REACH	31.9	35.0	35.6	33.4	3-02	600-800	0.8	35
PORT READING REACH	22.1	35.0	35.2	27.7	3-02	500	1.8	35
FRESH KILLS REACH	29.0	35.2	36.5	33.9	3-02	500	1.8	35
RARITAN RIVER CUTOFF	16.7	19.3	19.3	11.6	3-99	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	20.1	20.5	20.0	19.8	6-04	400	0.9	30
GREAT BEDS REACH	23.5	22.9	24.5	23.1	7-03	300	0.6	25
SOUTH AMBOY REACH	23.2	24.0	22.9	22.4	7-03	300	1.2	25
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

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Chart 12332

NM 40/04

RARITAN BAY, ARTHUR KILL AND RARITAN RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT TO AUG 2003 AND SURVEYS JUN 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
WARD POINT BEND (EAST)	31.5	38.7	36.9	27.6	9,12-01	600-800	1.1	35
WARD POINT BEND (WEST)	35.0	35.0	35.0	33.8	9,12-01	600-800	1.3	35
OUTERBRIDGE REACH	34.4	34.7	35.9	35.9	9-01; 3-02	600	1.6	35
RARITAN RIVER CUTOFF	16.7	19.3	19.3	11.6	3-99	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	20.1	20.5	20.0	19.8	6-04	400	0.9	30
GREAT BEDS REACH	23.5	22.9	24.5	23.1	7-03	300	0.6	25
SOUTH AMBOY REACH	23.2	24.0	22.9	22.4	7-03	300	1.2	25
SANDY POINT REACH	21.4	19.9	19.4	23.4	7-03	300	0.9	25
KEASBEY REACH	15.2	20.5	22.4	20.2	7-03	300	0.9	25
RED ROOT REACH	13.6	16.8	17.6	13.9	7-03	300	1.5	25
CRAB ISLAND REACH	A15.0	A14.5	A14.5	12.5	9-88	200	1.2	15
NORTHWEST REACH	6.0	7.5	7.5	12.2	7-62	200	1.2	15
TITANIUM REACH	3.9	4.1	2.1	1.7	7-03	300	0.6	25
SOUTH CHANNEL	C2.0	D4.2	B4.2	B2.1	7-62;3,4-90	150	0.7	15-10
A. SHOALS LOCATED APPROXIMATELY 40°29'01.0"N, 74°21'16.0"W TO 400 YARDS SOUTH; A DEPTH OF 13 FEET FOR A WIDTH OF 200 FEET WAS AVAILABLE TO THE WEST OF THE PROJECT CHANNEL. B. POSSIBLE 6 FT OBSTRUCTION LOCATED IN 40°29'34.4"N, 74°19'03.0"W. C. POSSIBLE 6 FT OBSTRUCTION LOCATED IN 40°29'35.4"N, 74°19'04.5"W. D. POSSIBLE 4 FT OBSTRUCTION LOCATED IN 40°29'37.4"N, 74°19'04.0"W. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 14815

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ROCHESTER HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS JUN 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH LWD (FEET)
ENTRANCE TO BEGINNING OF JETTIES	18.3	19.3	19.9	3-04	300	0.91	24
BEGINNING OF JETTIES TO END OF JETTIES	18.4	19.1	17.3	3-04	200	0.57	23
END OF JETTIES TO RR BRIDGE	9.6	17.4	17.6	6-04	200-400	0.27	23
TURNING BASIN	4.5	A7.3	7.9	6-04	140-25	0.04	23
RR BRIDGE TO 200 FT N OF BUOY "2" AT 43°14'04"N 077°37'02"W	10.9	B14.3	12.3	3-04	150-225	1.44	21
200 FT N OF BUOY "2" AT 43°14'04"N 077°37'02"W TO PT AT 43°13'50"N 077°36'57"W	17.7	12.7	10.6	6-04	150-525	0.30	21
PT AT 43°13'50"N 077°36'57"W TO END OF PROJECT	11.1	11.5	11.3	3-04, 6-04	150	0.51	21
A. SHOALING TO 6.4 FEET IN LEFT HALF OF QUARTER B. SHOALING TO 11.8 FEET FROM 43°15'10.8"N 077°36'30.1"W TO 43°15'13.7"N 077°36'28.0"W NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

SECTION I

NM 40/04

Chart 14839

NM 40/04

CLEVELAND HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2004 AND REPORTS TO JUN 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
LAKE APPROACH CHANNEL	28.5	30.3	30.1	27.4	4-04	600-750	0.22	28
ENTRANCE CHANNEL	27.6	29.8	31.0	26.7	4-04	225-750	0.22	28
CUYAHOGA RIVER								
PIER RANGE	A16.2	27.0	27.5	17.9	3-04	230	0.30	27
THENCE TO LORAIN								
CARNEGIE VIADUCT BRIDGE	9.2	20.7	20.7	13.1	3-04	100-700	2.69	23
THENCE TO END OF PROJECT	8.7	B20.5	C21.5	D13.1	3-04	110-400	3.11	23
OLD RIVER								
FROM CUYAHOGA RIVER								
TO END OF PROJECT	17.0	22.3	21.8	E15.2	5-03, 3-04	125-200	1.10	27
EAST BASIN								
AIRPORT RANGE	17.3	23.3	23.1	20.1	4-04	500	3.11	25
TURNING BASIN	22.5	22.7	22.4	22.3	4-04	400-1600	0.33	25
EASTERN SECTION	F19.9	21.7	22.1	22.1	4-04	1250-1540	0.72	27
WESTERN SECTION	20.5	24.0	28.5	26.4	4-04	1300-1540	0.28	28
WEST BASIN	G23.5	H24.5	I21.9	J20.6	4-04	1150-1570	0.91	28
A. EXCEPT FOR SHOALING TO 14.9 FEET AT 41°30'00.6"N 081°42'31.3"W. B. EXCEPT FOR SHOALING TO 12.1 FEET IN LAST 200 FEET OF QUARTER. C. EXCEPT FOR SHOALING TO 12.1 FEET IN LAST 800 FEET OF QUARTER. D. EXCEPT FOR SHOALING TO 1.9 FEET FROM 41°29'10.8"N 081°40'47.3"W TO 41°29'09.7"N 081°40'46.4"W AND TO 1.9 FEET IN LAST 800 FEET OF QUARTER. E. EXCEPT FOR SHOALING TO 10.4 FEET AT 41°29'51.2"N 081°42'44.0"W AND TO 12.7 FEET AT 41°29'31.8"N 081°42'57.3"W. F. EXCEPT FOR SHOALING TO 16.6 FEET IN LEFT OUTSIDE 50 FEET OF QUARTER. G. EXCEPT FOR SHOALING TO 18.6 FEET IN WESTERN 500 FEET OF PROJECT. H. EXCEPT FOR SHOALING TO 16.6 FEET IN WESTERN 500 FEET OF PROJECT. I. EXCEPT FOR SHOALING TO 15.7 FEET IN WESTERN 500 FEET OF PROJECT. J. EXCEPT FOR SHOALING TO 15.4 FEET IN WESTERN 500 FEET OF PROJECT. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								